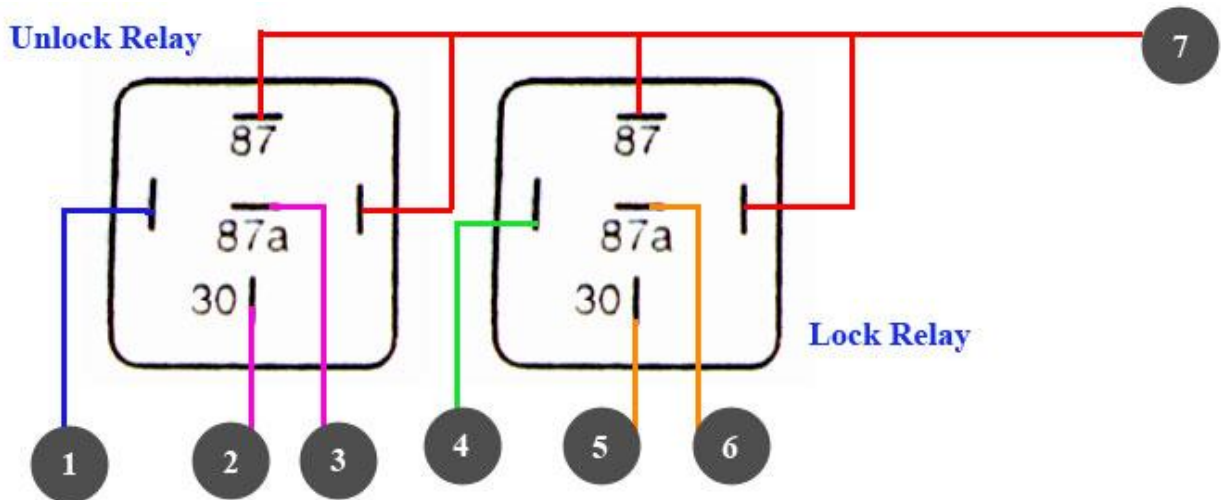


Adding Keyless entry to a 2nd gen Keyless Truck

In order to complete the installation, you will require two 5 pole relays. The cheapest 5 pole relays I found was at autozone for 5.99 a piece with the help of an autozone employee who did some digging and scanning for me. The Duralast P/N is 19273. You will need wire and spade connectors and I would suggest Solder with a Soldering Iron and some Heat Shrink Tubing. You will also require a Keyless entry system. I acquired an Omega Freedom 150 for free as a gift... So I obviously used that. Any keyless entry system should work the same. The Keyless/Alarm system will have 4 Wires we care about to make the system work with 2 additional wires if you want the lights to flash. There are more options like honking horns and sirens, but that's up to you to install.





The wiring will work as follows....

1. Wires to Keyless entry Unlocking wire – this is a switched ground wire
2. Wires to the door switch wire that goes back into the dash for unlock
3. Wires to the door switch wire that goes to the switch for unlock
4. Wires to Keyless entry Locking wire – this is a switched ground wire
5. Wires to the door switch wire that goes back into the dash for lock
6. Wires to the door switch wire that goes to the switch for lock
7. Wires to power (+12v) that is energized all the time.

Steps:

1. Wire up the relays like shown above, then you can use electrical tape to tape them together.

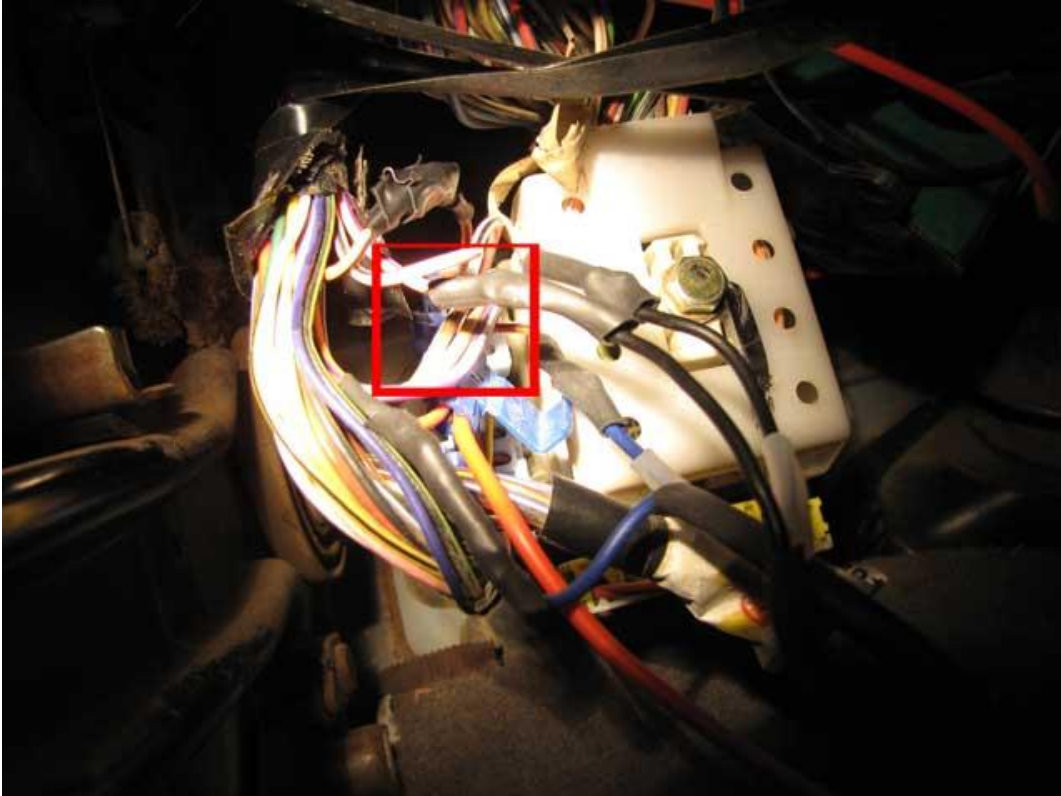


2. Remove the Kick panel right below the steering Wheel. This is four screws on each corner (Two on top, Two on bottom) using Phillips head screw driver.
3. In the truck, Locate any Powered source that stays in regardless of the ignition switch being on or not. This wire you should splice into for both the keyless entry unit into, and your two relays. Make sure the circuit is 15A or higher, 20A preferable. You can use the Circuit for the Power Locks Wire that is in the fuse panel. Since the kick panel is removed, you should be able to find this wire easily. Use a wire tap for one wire lead, then splice your two power wires (one from the relays and one from the Keyless entry box) using Solder and some Shrink tube.

4. Locate a place for a ground wire. I used a Loop connector and a screw under the kick panel:



5. Locate the Door lock connector under the Dash. This part is a little bit of a pain as the wiring harness isn't designed with a lot of play. Disconnect this harness as you need to Cut two wires for the relays to be "spliced" in...



Another View:



6. The two wires in this connector the we have to cut are:
 - a. Orange/Violet – Locking wire that wires to the passenger side switch
 - b. Pink/violet – Unlocking wire that wires to the passenger side switch

Cut about 1.5 – 2” back from the connector. You may need to remove some of the electrical tape farther up the harness to allow you to strip the wire left on the side not connected to the electrical connector when you are done.

7. Strip all four ends, two on the connector side and two on the harness side. The connector side will come from the Driver’s door switch while the harness end wires to the passenger side door switch.
8. Orange/Violet Driver Door Switch Side (This is the side that goes into the connector) will wire to one Relay for Unlocking on Pin 87a (middle pin). This allows the door switch to work when the Relay is not energized by the keyless entry unit.
9. Orange/Violet Passenger door Side (this is the side that does not go to the connector) will wire to the same relay as in step 8 for unlocking on Pin 87. This allows the door unlocking motor to connect to power when the keyless entry unit energizes the relay.
10. Pink/Violet Driver Door Switch Side (This is the side that goes into the connector) will wire to one Relay for Locking on Pin 87a (middle pin). This allows the door switch to work when the Relay is not energized by the keyless entry unit.

11. Pink/Violet Passenger door Side (this is the side that does not go to the connector) will wire to the same relay as in step 10 for locking on Pin 87. This allows the door locking motor to connect to power when the keyless entry unit energizes the relay.
12. Plug the connector for the door harness back into place. Test the door switches first then test the keyless entry unit. Keyless entry should now work.
13. Now pretty up the wires and put the kick panel on.
14. Flashing lights are possible if the keyless entry unit has the option – Just tap into a 12v power wire that's always on for the input wire, and then tap into the positive wire from the back of your Headlamp switch that powers on parking lights. This is real easy to do if you already have a wire run for gauges that power your gauge lights, as you can back-feed into this wire.